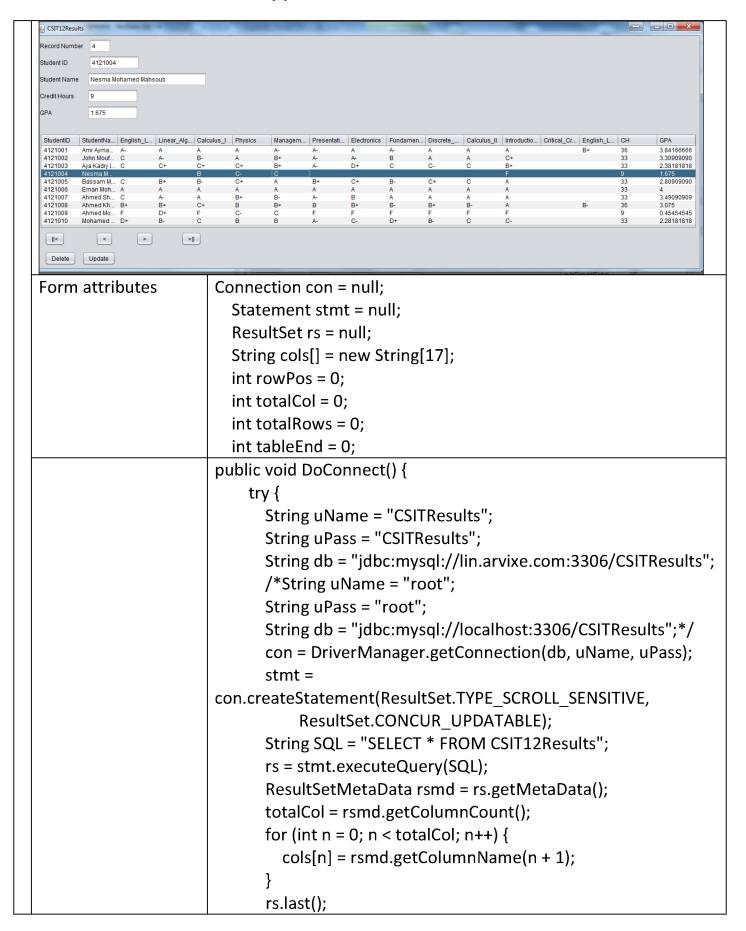


## **Practical Applications in CS I - Session 03.03**





```
totalRows = rs.getRow();
                              rs.beforeFirst();
                              buildTable();
                              for (int r = 0; r < 10; r++) {
                                 rs.next();
                                 rowPos++;
                                 buildRow(r);
                              }
                            } catch (SQLException err) {
                              JOptionPane.showMessageDialog(this, err.getMessage());
                        public void buildTable() {
                            DefaultTableModel dtm = new DefaultTableModel(cols, 10);
                            ¡Table1.setModel(dtm);
                        void buildRow(int r) {
                            try {
                              for (int c = 0; c < totalCol; c++) {
                                 jTable1.setValueAt(rs.getString(c + 1), r, c);
                                 jTextField5.setText(Integer.toString(rowPos));
                            } catch (SQLException err) {
                              JOptionPane.showMessageDialog(this, err.getMessage());
                            }
                       int r = jTable1.getSelectedRow();
jTable1MouseClicked
                            jTextField1.setText(jTable1.getValueAt(r, 0).toString());
                            ¡TextField2.setText(jTable1.getValueAt(r, 1).toString());
                            jTextField3.setText(jTable1.getValueAt(r, 15).toString());
                            jTextField4.setText(jTable1.getValueAt(r, 16).toString());
                            jTextField5.setText(Integer.toString(rowPos-(10-r-1)));
                        int tableEnd = 10;
next
                            if (totalRows == rowPos) {
                              return;
                            } else if ((totalRows - rowPos) < 10) {
                              tableEnd = totalRows - rowPos;
                            }
                            buildTable();
```



```
try {
                              for (int r = 0; r < tableEnd; r++) {
                                rowPos++;
                                rs.absolute(rowPos);
                                buildRow(r);
                            } catch (Exception err) {
                              JOptionPane.showMessageDialog(this, err.getMessage());
                       if ((rowPos == totalRows) && (tableEnd == 0)) {
previous
                              rowPos = totalRows - 10;
                              tableEnd++;
                            } else if (rowPos > 21) {
                              rowPos = rowPos - 20;
                              tableEnd = 0;
                            } else {
                              rowPos = 0;
                              try {
                                rs.first();
                              } catch (Exception err) {
                                JOptionPane.showMessageDialog(this,
                       err.getMessage());
                              }
                            jButton3ActionPerformed(null);
first
                       try {
                              rs.first();
                              rowPos = 0;
                              jButton3ActionPerformed(null);
                            } catch (Exception err) {
                              JOptionPane.showMessageDialog(this, err.getMessage());
last
                       try {
                              rowPos = totalRows - 10;
                              rs.absolute(rowPos);
                              jButton3ActionPerformed(null);
                            } catch (Exception err) {
                              JOptionPane.showMessageDialog(this, err.getMessage());
delete
                       try{
                            rs.absolute(Integer.parseInt(jTextField5.getText()));
```



	rs.deleteRow();
	}catch (Exception err) {
	JOptionPane.showMessageDialog(this,
	err.getMessage());
	}
update	try{
	rs.absolute(Integer.parseInt(jTextField5.getText()));
	for(int c=0;c <totalcol;c++)< td=""></totalcol;c++)<>
	rs.updateString(jTable1.getColumnName(c),
	jTable1.getValueAt(jTable1.getSelectedRow(),
	c).toString() );
	rs.updateRow();
	}catch (Exception err) {
	JOptionPane.showMessageDialog(this,
	err.getMessage());
	}